



Allegany County Hazard Mitigation Plan District IV

Andover (T), Andover (V), Wellsville (T),
Wellsville (V)

September 19, 2023

5 PM – 6:30 PM



What is a hazard mitigation plan?

- Identify and evaluate risk, vulnerabilities
- Associated with natural hazards and resulting disasters
- Development of long-term strategies to reduce risk, vulnerability

Why is hazard mitigation important?

- **Identification of:**
 - Vulnerabilities
 - Feasible hazards
 - Critical facilities
 - Emergency shelters
 - Jurisdictional needs
- **Funding for:**
 - Capital improvements
 - Equipment upgrades
 - Municipal programs
- **Improvements:**
 - Infrastructure upgrades
 - Resilient communities
 - Utility reliability

Public Meetings

- **General Public:**

- Do hazard rankings align with your experiences?
- Are there areas that experience hazards that we didn't capture?
- What facilities would you rely on in an emergency?

- **Municipal Leaders:**

- Are your capabilities/deficiencies documented?
- What hazards are you most concerned about?
- Can you identify critical facilities that are particularly vulnerable?

Areas Reviewed

- Villages:
 - Andover
 - Wellsville
- Towns:
 - Andover
 - Wellsville



Feasible Hazards Reviewed

- Coldwave
- Drought
- Earthquake
- Flooding
- Hail
- Heatwave
- Hurricane
- Ice Storm
- Landslide
- Lightning
- Snow Storm/Winter Weather
- Tornado
- Wildfire
- Wind

Hazard Scores - Countywide

Hazard Scoring					
Hazard	Probability	Spatial Threat	Magnitude	Hazard Score	Ranking
Cold Wave	3	1	3	12	6
Drought	3	4	1	15	5
Earthquake	1	1	1	2	14
Hail	3	1	2	9	9
Heat Wave	1	2	1	3	13
Hurricane	1	4	3	7	10
Ice Storm	2	4	2	12	6
Landslide	2	1	1	4	12
Lightning	3	1	3	12	6
Riverine Flooding	4	2	4	24	2
Strong Wind	4	4	4	32	1
Tornado	3	4	4	24	2
Wildfire	1	4	1	5	11
Winter Weather	4	2	3	20	4

Hazard Scores – District IV

Hazard

Hazard		Hazard Scoring												Hazard Score			
		Probability				Spatial Threat				Magnitude							
		Andover	Andover (V)	Wellsville (T)	Wellsville (V)	Andover	Andover (V)	Wellsville (T)	Wellsville (V)	Andover	Andover (V)	Wellsville (T)	Wellsville (V)	Andover	Andover (V)	Wellsville (T)	Wellsville (V)
Cold Wave		3	3	3	3	1	2	1	3	3	3	3	3	12	15	12	18
Drought		3	3	3	3	4	4	4	3	1	1	1	1	15	15	15	12
Earthquake		1	1	1	1	1	2	1	3	1	1	1	1	2	3	2	4
Hail		1	1	3	1	1	2	1	3	2	2	2	2	3	4	9	5
Heat Wave		1	1	1	1	1	2	1	3	1	1	1	1	2	3	2	4
Hurricane		1	1	1	1	4	4	4	4	3	3	3	3	7	7	7	7
Ice Storm		2	2	2	2	4	4	4	4	2	2	2	2	12	12	12	12
Landslide		1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2
Lightning		1	1	1	1	1	2	1	3	3	3	3	3	4	5	4	6
Riverine Flooding		3	3	3	3	3	4	3	4	4	4	4	4	21	24	21	24
Strong Wind		4	4	4	4	4	4	4	4	4	4	4	4	32	32	32	32
Tornado		1	1	2	1	4	4	4	4	4	4	4	4	8	8	16	8
Wildfire		1	1	1	1	4	4	4	4	1	1	1	1	5	5	5	5
Winter Weather		4	4	4	4	3	3	3	4	3	3	3	3	24	24	24	28

Hazards of Concern – District IV

- Hazards of Concern:

- (1) Strong Wind – [32]
- (2) Winter Weather – [25]
 - Wellsville (V) [28]
- (3) Riverine Flooding – [22.5]
 - Andover (V), Wellsville (V) [24]
- (4) Coldwave – [14.25]
 - Wellsville (V) [18]
- (5) Drought – [14.25]
 - Andover (T), Andover (V), Wellsville (T) [15]

- Least Concern:

- (14) Landslide – [2]
- (13) Heatwave – [2.75]
 - Wellsville (V) [4]
- (12) Earthquake – [2.75]
 - Wellsville (V) [4]
- (11) Lightning – [4.75]
 - Wellsville (V) [6]
- (10) Wildfire – [5]

Critical Facilities – District IV

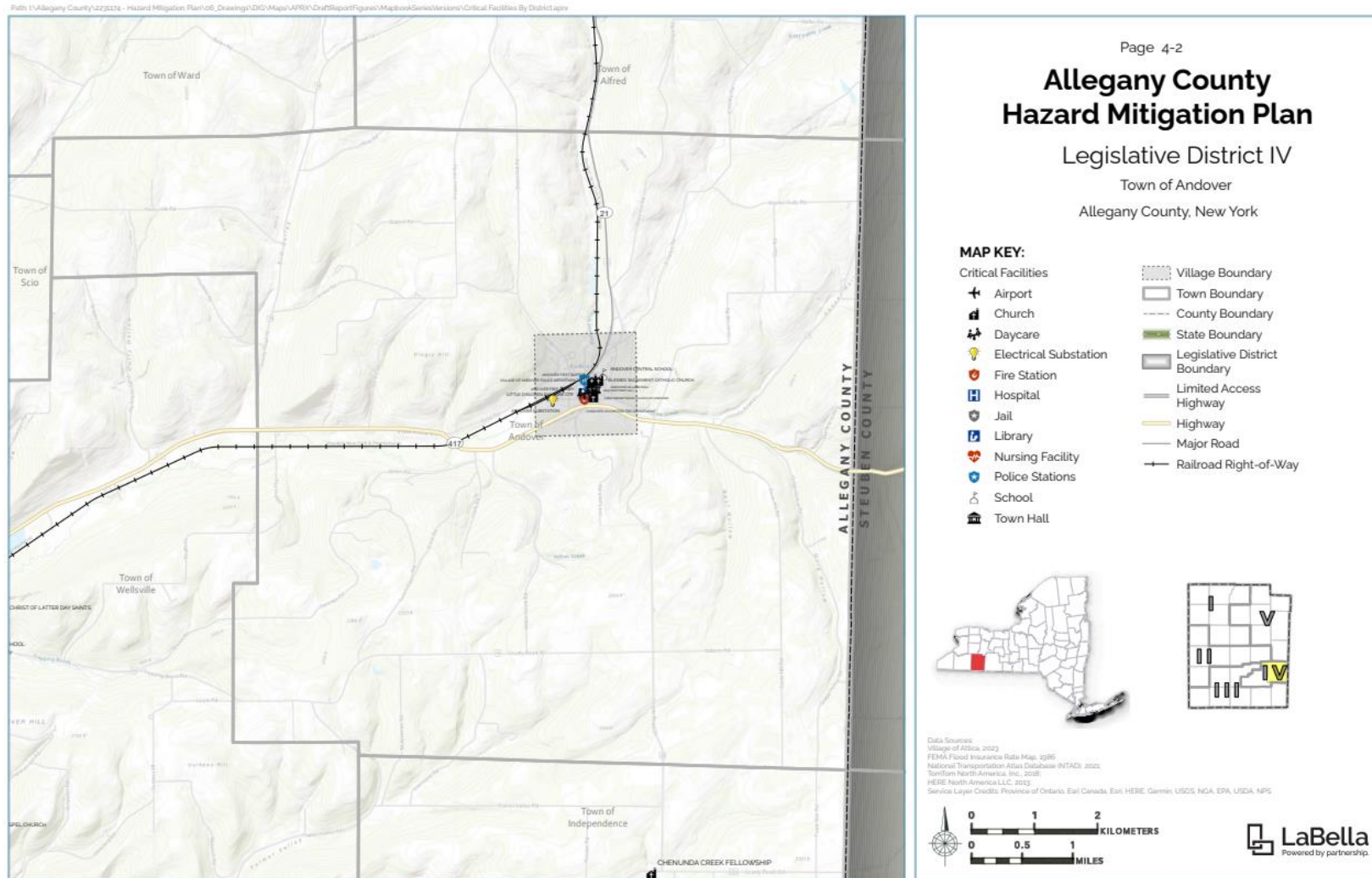
Andover (T)	
Facility Type	# Facilities
Town Hall	-
School	-
Fire Station	-
Police Station	-
Church	-
Library	-
Electrical Substation	-
Daycare	-
Airport	-
Hospitals	-

Andover (V)	
Facility Type	# Facilities
Town Hall	1
School	1
Fire Station	1
Police Station	1
Church	3
Library	1
Electrical Substation	1
Daycare	1
Airport	-
Hospitals	-

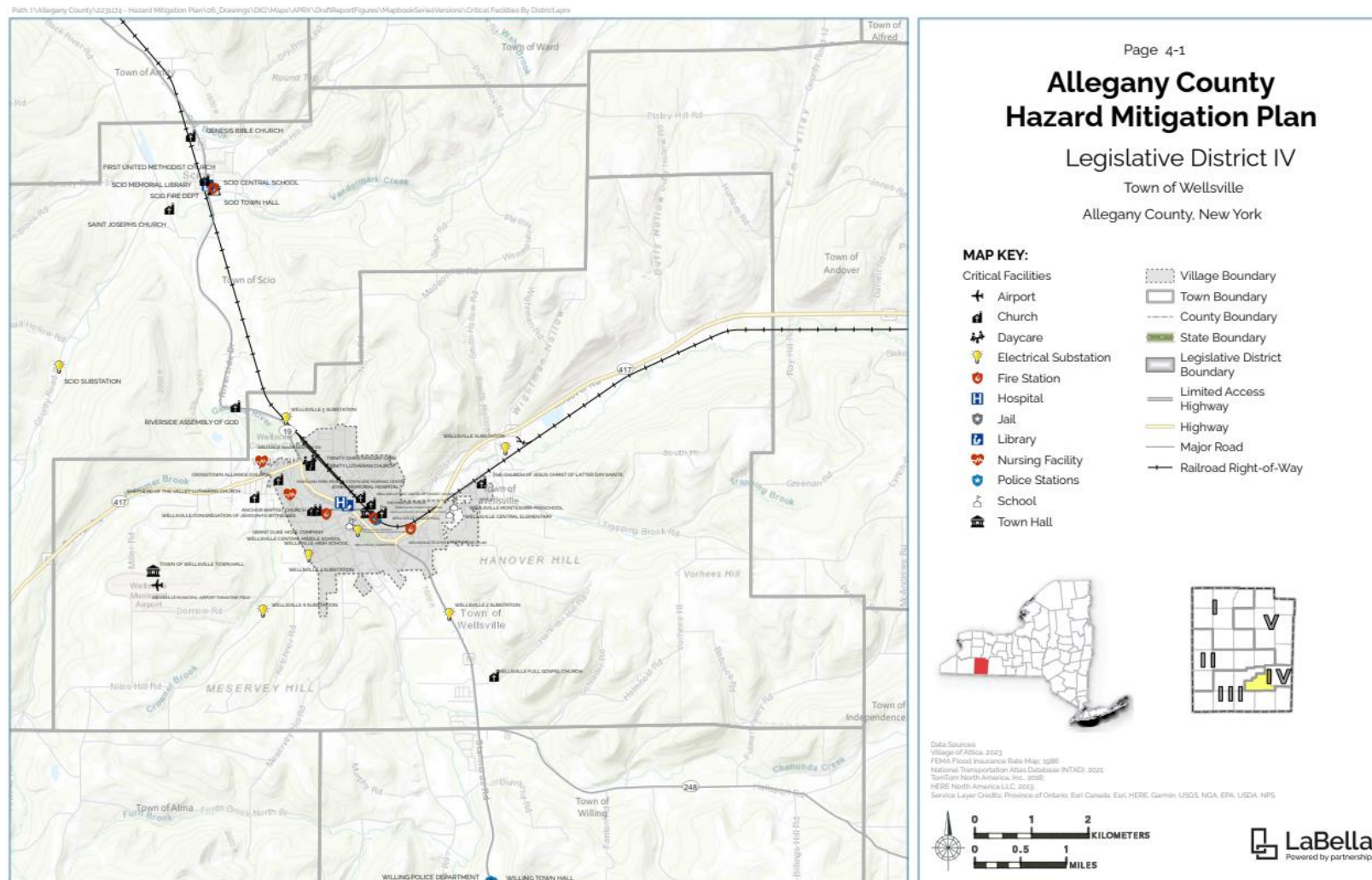
Wellsville (T)	
Facility Type	# Facilities
Town Hall	1
School	-
Fire Station	-
Police Station	-
Church	2
Library	-
Electrical Substation	4
Daycare	-
Airport	1
Hospitals	-

Wellsville (V)	
Facility Type	# Facilities
Town Hall	1
School	5
Fire Station	3
Police Station	1
Church	8
Library	1
Electrical Substation	2
Daycare	1
Airport	-
Hospitals	-

Critical Facilities – Andover



Critical Facilities – Wellsville



Problem Areas – District IV


- Andover (T):
 - Grenan Rd. – *Flooding*
 - Dyke Rd. – *Flooding*
- Andover (V):
 - Dyke Rd./Rochambeau Ave. – *Flooding, Erosion*
 - Dyke St. – *Flooding, Erosion*
- Wellsville (T):
 - Dornow Rd. – *Flooding, Erosion, Landslide*
- Wellsville (V):
 - Farnum St. – *Flooding*
 - Wellsville Sanitary Sewer System





Current Capabilities – District IV

Total Municipalities: 4



Planning and Regulatory: Most Frequent Capabilities

Building Code	4
Capital Improvement Plan	3
Fire Codes	4
Highway Infrastructure	3

Education & Outreach: Most Frequent Capabilities

Awareness Initiatives/Public Education	1
Natural Disaster/Safety Related Program	1

Administrative and Technical: Most Frequent Capabilities

Building Code Official	4
Emergency Management	4
Mutual Aid Agreements	3
NFIP Administrator	3
Sheriff's Office	4
Fire Department	4

Financial: Most Frequent Capabilities

Authority to Levy Taxes for Specific Purposes	3
Community Development Block Grant	3
Capital Improvements Project Funding	3
State Funding Programs	3



Deficiencies – District IV

- Climate Adaptations
- Disaster Recovery Plans
- Continuity of Operations Plan
- Natural Hazard Specific Ordinances
- Stormwater Management
- Public Education/Natural Disaster Safety Programs

Mitigation
Strategies –
Capital
Improvements

<u>Municipality</u>	<u>Project</u>
<i>Andover (Town)</i>	Retrofit Town Barns
	Snow Removal Equipment
	Tree Pruning Campaign
	Backup Generator - Town Hall
	Natural Hazard Public Outreach
	Culvert Replacement at Grenan Rd
	Dyke Rd Culvert Replacement
<i>Andover (Village)</i>	Bank Erosion - Dyke Rd
	Bank Erosion - Dyke St
<i>Wellsville (Town)</i>	Dornow Rd Culvert
<i>Wellsville (Village)</i>	Farnum St Bridge Replacement
	Sanitary Sewer Line Rehab

Estimated Range (All District IV Projects): \$3,055,000 - \$10,590,000

Mitigation Strategies - Regulations

- County:
 - Continue to promote CodeRed, NY Alert systems
 - Provide central GIS resources
 - Distribute funding opportunities for municipalities
 - Guidance on renewable energy laws
- District IV:
 - Emergency Response Plan (*Andover - V*)
 - Natural Hazard Specific Ordinances (*All*)
 - Focus on flooding, wind, winter weather
 - Disaster Recovery Plans (*All*)
 - Climate Adaptations (*All*)
 - Public-Private Partnership Initiatives (*All*)



Take The Survey!

- Click the link below or scan the QR code to access our online survey
- Use the online web map to mark down critical facilities or areas that typically experience hazards
- [Hazard Mitigation Update – Allegany County, New York](#)



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Questions

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